

## **Moss Cut and Paste** (24 marks)

1. Cut out the pieces of the moss life cycle and arrange them in the correct sequence (to form a **cycle**). Use arrows to show the sequence.
2. Be sure to label the following on your life cycle:
  - Mature male and female gametophyte
  - Immature gametophyte
  - Immature sporophyte
  - Sporophyte (mature)
  - Protonema
  - Antheridia
  - Archegonia
  - Egg
  - Sperm
  - Zygote
  - Rhizoid
  - Sporangium
  - Spores
3. Indicate the ploidy of each of the structures you labelled.
4. Show where the following processes occur on your cycle
  - Fertilization (once)
  - Meiosis (once)
  - Mitosis (at LEAST 4 places)
  - Germination
5. Colour your diagram to show a **natural progression** of the changes
6. Indicate where **water** is important in the life cycle, by drawing water droplets near the structures that would require it.

